

## CREATE TO HIMED-127.





## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

(11) International Publication Number:

**WO 98/18186** 

H02G 13/00, H01B 9/02

Al

(43) International Publication Date:

30 April 1998 (30.04.98)

(21) International Application Number:

PCT/AU97/00696

(22) International Filing Date:

16 October 1997 (16.10.97)

(30) Priority Data: PO 3072

18 October 1996 (18.10.96)

ΑU

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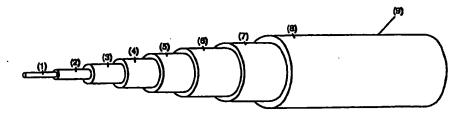
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DB, DK, ER, BS, FI, GB, GE, GH, HU, ID, IL, IS, JP, KR, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PI., PT, RO, RU, SD, SE, SG, SI, SK, SI., TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Bursaian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Buropean patent (AT, BE, CH, DB, DK, BS, FI, FR, GB, GR, IR, IT, LU, MC, NI., PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,

**Published** 

With international search report.

ML, MR, NB, SN, TD, TG).

(54) Title: AN IMPROVED LIGHTNING DOWNCONDUCTOR



(57) Abstract

A lightning downconductor (9) forming part of a lightning protection system, the downconductor (9) has an upper end connected to a lightning collector (10) through an upper termination device (11) and a lower end connected to an earthing system (15) through a lower termination (14). The downconductor (9) comprises an inner electrical conductor (3), an insulating layer (5) surrounding the inner electrical conductor (3), a resistive semi-conductive layer (6) surrounding the insulating layer (5) and a conductive layer (7) surrounding the resistive semi-conductive layer (6). A length of the conductive layer (7) surrounding the insulating layer (6) and a conductive layer (7) surrounding the layer (9) adjacent the upper termination device (11) to expose the resistive semi-conductive layer (6) as an outer layer of the downconductor (9).